



TECHNICAL DATA SHEET

Standard grade

Product name	3-Methyl-2-cyclohexen-1-one	Product code	EP00078
CAS No.	1193-18-6	Pheromone code	—
Molecular formula	C ₇ H ₁₀ O	Molecular weight	110.15

Specification

Property	Specification	Method
Appearance	Clear, colourless liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)

Physical properties (literature reference)

Boiling point	199–200 °C / pressure not stated	Density	0.967 g/cm ³
Refractive index	n _D 1.490	Flash point	68 °C
Solubility	Miscible in water		

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Anti-aggregation pheromone
Target species	<i>Dendroctonus pseudotsugae</i> (Douglas-fir beetle); <i>Dendroctonus rufipennis</i> (spruce beetle)
Order / family	Coleoptera: Curculionidae; Coleoptera: Curculionidae
Crops	Douglas-fir (<i>Pseudotsuga menziesii</i>); Engelmann spruce (<i>Picea engelmannii</i>)
Reported blend components	frontalin; Acer kairomone blend (AKB); acetophenone + green leaf volatiles (PLUS)
Trap type	multiple-funnel trap
Key reference	doi:10.1603/ec11282; doi:10.1603/0022-0493-101.6.1826